Topics and Chapter Sections Covered for Test 2

Related homework: 4

Related handouts - #5, Terminology for Spur Gears

1 Chapter 15 - Power screws, Fasteners and Connections

Sections covered: 15.13 - 15.16

Topics covered: The following topics are included:

1. Riveted and bolted joints in shear
2. Modes of failure for rivets/bolts and connected parts
3. Eccentrically loaded bolted and riveted joints
4. Welding terminology and symbols (You need to be able to read simple symbols)
5. Normal and shear stresses in butt and fillet welds
6. Computing polar MOI and MOI of welded joints
7. Eccentrically loaded welds in torsion
8. Eccentrically loaded welds in bending